

1	HAND MANEUVERED OR WORK SUPPORTED	37	PLURAL HOLDERS TO HOLD WORKPIECES
	TOOL GUIDES		RELATIVE TO EACH OTHER
2	.Relatively movable jaws	38	.Fletching jig (i.e., arrow
3	OPERATOR SUPPORTED		feathering holder)
4	.Convertible to bench supported	40	.Fixed work-contacting portions
5	.With opening through handle for		for each holder
	work supply	41	.Workpieces normal to each other
6	.Handle manipulation for jaw		(e.g., miter clamps)
	actuation	42	..Means for simultaneous
7	SOLIDIFICATION OF WORK CONTACTING		actuation of holders
	MEDIUM	43	.Workpieces parallel to each
8	MAGNETIC HOLDER		other (e.g., box-shock clamp)
9	PLURAL SELECTIVELY USED HOLDERS	44	..Three holders
10	.Work stop abutment	45	.With means to relatively array
11	WITH HOLDER ILLUMINATING MEANS		or arrange holders
12	WITH DRY RUN WORK DRIVING MEANS	46	SUSPENDED HOLDER
13	WITH PRODUCT DISCHARGE	47	HOLDER INSERTED WITHIN WORK
	FACILITATOR		APERTURE
14	.Product mover	48	.With tool couple element
15	WITH CATCH PAN	48.1	.Expandable mandrel
16	WITH PART OR TOOL HOLDING	48.2	..Plural pin mandrel
	RECEPTACLE	48.3	...Having intermediate expanding
17	WITH GROUND TRAVERSING MEANS		means
19	WITH PLUMB INDICATOR	48.4	....And coil spring
20	WITH FLUID MEANS	49	.Inserted holder movable relative
21	.Vacuum-type holding means		to work backup
22	.With movable diaphragm	50	.Holder mounted for movement
23	.With safety means	51	..Compound or plural movement
24	.Plural positioning means	52	.Within concentric opening
	sequentially operated	53	PIN-TYPE HOLDER
25	.Cylinder-piston means directly	54	.With work-overlying clamp
	moves jaw(s)	54.1	.With means to drive pin into
26	..With equalized pressure on		work
	plural (nonopposed) jaws	54.2	..Including opposed coacting pins
27	.Cylinder-piston means in series	54.3	...Three or more pins
	with additional positioning	54.4	.With work-underlying support
	means	54.5	..Pin perpendicularly extended
28	..With separate air means in	55	HOLDER MOUNTED FOR MOVEMENT
	series with liquid means	56	.Relative to a station
29	..Including self-contained manual	57	..Rotary (e.g., dial type)
	pump means	58	.Including means to shift holder
30	..With common fluid means for		position
	holding and releasing	59	..With means to lock shift means
31	...Cylinder-piston unit rotatably	60	..Screw means
	and/or pivotally mounted	61	..Gear means
32	..Mechanical means between fluid	62	..Treadle means
	means and jaw	63	.With indexing steps
33	...Including opposed cylinder-	64	..Corrugated
	piston means	65	..Threaded
34	...Single fluid unit moves plural	66	..Cam or eccentric means
	spaced jaws	67	..Pin-rack
35	.With guide means	68	..Pawl-rack
36	FENCE BOARD HOLDER AND GAUGE	69	..Peg-hole

70	...With bias means	106	...With actuating means for each couple
71	..With plural means for changing holder positions	107	..Interrelated actuating means
72	..Single lock for plural means	108	...Constricting loop common to plural jaw pairs
73	..Means for dual position only	109	...Four relatively movable corner-angled jaws
74	..Means for position lock	110	..One actuated jaw carries a second actuated jaw
75	..For universal joint	111	..Quadrilateral frame type
76	..Set screw type	112	...Diagonally moved jaw
77	..Periphery clamp type	113	...Plural actuating means for one side
78	...Split ring type	114	....Plural actuators on each of two sides
79	..Effective on a movable brace	115	...Actuator located at corner
80	..For yoke type	116	....Actuators at diagonal corners
81	..Of holder to table (i.e., reference base or wall)	117	.....Actuator at each corner
82	..Plane bearing surfaces clamped together	118	...Actuated jaw couples perpendicularly related
83	...Radial bearing surface type	119	....Actuator for each side
84	....Central clamp	120	...One couple adjusted and one couple actuated
85	....Plural clamps	121	...Adjustment means intermediate ends of side
86	RELATIVELY MOVABLE JAWS	122	...Adjustment means including attached wedge means
87	..With tool couple element	123	....Wedge means attached by chain
87.1	..With guide means	124	...Adjustment means at diagonal corners
87.2	...Slot type	125	....Adjustment means at four corners
87.3	...Hole type	126	..Including pivoted yoke frame jaw carrier
88	..Convertible to other type or form of holder	127	..With specific latch means
89	..Jaw actuation locks holder position relative to base	128	...Latch means includes jaw actuating element(s)
90	..With separate means to lock jaw(s) after actuation	129	..With jaw actuating means intermediate yoke legs
91	..Clamp couple element with fastening means	130	..Including constrictable loop (strand or articulated) jaw
92	..With plural actuating means	131	..Flaccid loop
93	..Responsive to element actuating means	132	..With means to actuate a coacting jaw
94	..Rocking-element type	133	..Weight of a vertically disposed panel actuates jaws
95	..With means to fasten holder to support (e.g., portable)	134	..With means for "hold-down" component of force
96	..Wrench or plier type of work holder	135	..With rockable work contacting member
97	..Clamp type fastening means	136	..Moved by linearly acting jaw
98	...Unitary fastener-jaw and holder-jaw	137	..Inclined actuator and/or jaw travel
99	..Socket type fastening means		
100	...Aperture in support		
101	..Threaded fastening means		
102	..Nail or spur fastening means		
103	..For cable about thimble (e.g., rigger's vise)		
104	..Plural jaw pairs, angularly oriented, for common work		
105	..Three jaw couples in three nonparallel planes		

138	..With wedge or cam means	172	..With relative axial shift of screw-nut actuating means
139	..With means to align coacting jaw faces	173	...Split nut type
140	..With separate positioning means for each of jaw pair	174	....With separate means for lateral motion of segments
141	..Adjustable positioning only	175	.....Including weight biased lever
142	..Separate means to actuate each of a jaw pair	176	.....Common to spaced parallel screw means
143	...Portable C-clamp type	177	.....Control travels with screw
145	...Same actuator type for each jaw	178	....With screw mounted means for lateral segment motion
146	..Means to both actuate and adjust the same jaw	179	...With longitudinally rockable actuating screw
147	..Portable straight beam type	180	....Direct hand tilt
148	...Plural parallel beams	181	...Half nut type
149	...Extensible beam	182	...With separate means for lateral nut-screw motion
150	..Pivoted jaw actuator means	183	.....With pedal means
151	..With means to orient actuating force on jaws	184	...Interrupted thread type
152	..Plural jaw pairs	185	....Antipodal screw thread sectors
153	..With common actuating means	186	....Rack-like nut thread sector
154	..One jaw common to plural coacting jaws	187	....With continuous screw thread
155	..Acting in intersecting planes	188	..With common means to both lock and actuate jaw(s)
156	..Three coacting work grippers	189	...Screw-nut type
157	..With means to bias jaw(s) toward nonholding position	190	....With wedge means in the lock mechanism
158	..Pedal lever actuator	191	.....Roll or ball gripping element
159	...Including position latch or lock	192	.....With pawl-rack immobilization means
160	..Spring coil around actuating screw	193	.....Pivotal or rockable pawl
161	..Leaf spring between pivoted jaws	194	....Pawl-rack adjustment lock
162	..Spring coil around or abutting cam or cam follower	195	.....To immobilize nut
163	..With articulated attachment or insert for jaws	196	...Cam or eccentric type
164	..With means for lateral adjustment of jaw portions	197	....Plural cams in series
165	..Means for direct manual adjustment of jaw(s)	198	....Cam in series with diverse actuator
166	..With cant type adjustment lock	199	....Plural cam surfaces
167	...Including separate cant member	200	....Including radial face and/or axial follower feature(s)
168	....Means for skewing plural members to actuate jaw(s)	201	...Toggle type
169	....Plus additional means to release cant lock	202	...Rack-pinion sector
170	.....With means to bias member into locked position	203	..With clamp (or friction) type adjustment-lock
171	...Including interlocking abutting surfaces	204	...Pivoted eccentric for applying lock
171.5	...With tooth-like surface engaging a planar surface	205	...Plus additional means to release lock
		206	...Deformable elastic plug gripping element
		207	..With detent type adjustment-lock

208	...Peg-hole	249	....C-clamp type
209	....For pivoted jaw	250	....Means to keep faces parallel and/or translate jaw
210	...Movable rack	251	.....Flange and/or slot
211	...Pin-rack	252	.....Traveling means parallel to screw
212	...Pawl-rack	253	.....Plural traveling elements coplanar with screw
213	....Detent positionable by rocking of screw actuator	254 R	..Bias type (e.g., weight, spring, resilience)
214	....With lever type actuator acting through pawl	254 DF	...Dental flask
215	....Spring urged pawl	254 D	...Drawing board
216	..Means to actuate jaw(s) (i.e., apply holding force)	254 CS	...Coil spring
217	..Work camming or wedging action type	254 MW	...Movable weighted member
218	..With common means for each of coacting jaws	256	..With paralleling mechanism for jaws
219	...Spaced parallel screw means	257	..Jaw features
220	....With specific means for angular positioning of jaws	258	..Angularly alignable
221	..Plural means for one jaw	259	...Attachments and/or inserts
222	...Plural intergeared screw-nut actuating means	260	....With hook type fastener means
223	...Including means to move nut	261	....With socket type fastener means
224	..With yieldable means in actuation train	262	....With threaded type fastener means
225	..Gear type	263	....With yieldable type fastener means
226	...Worm	264	....Loosely positioned between coacting jaws
227	...Rack and pinion	265	..Plural spaced work contacting portions
228	..Toggle type	266	...Settable elements conformable to work contour
229	..Cam, eccentric or wedge type	267	...With pressure equalizing means
230	...With position latch	268	...Angular and/or curved jaw face
231	...Cam surface is jaw face	269	....Opposed jaw faces diversely shaped
232	...Including radial face and/or axial follower feature	270	....Complementary to work configuration
233	...Including cam slot or groove	271	..Attachment(s) and/or insert(s)
234	...Slidable wedge	272	...Interdigitated
235	...Eccentric cylinder or disc	273	...Named material
236	...Cam on end pivoted hand lever	274	....Nonmetallic
237	..For pivoted jaw(s)	275	...Yieldable element
238	...First class lever action type	276	...With magnetic fastening means
239	...Third class lever action type	277	...Coacting elements loosely positioned between jaws
240	..Screw-nut type	278	....Elements jointed by a pivot or link
241	...Differentially threaded	279	...Selective
242	...Right and left threaded	280	....By substitution
243	...Rotating nut means	281	....With yieldable type fastener means
244	...Screw held at ends for rotation only	282	....With threaded type fastener means
245	...With means for relative rotation of elements		
246	...Screw travels with jaw		
247	....Screw within traveling box-beam guide		
248	....With separable or replaceable nut means		

283With socket type fastener means
 284With detent type fastener means
 285 .Specific means for wear, strain, protection, assembly
 286 .Specific material(s) used for holder
 287 **HOLDER ENCLOSES WORK**
 288 .With tool couple element
 289 R **WORK-UNDERLYING SUPPORT**
 290 .With tool couple element
 291 ..With work-stop abutment
 292 ..Element projectable through support
 293 ..In support surface
 294 ...Cylindrical element
 295 ...Guiding slot for horizontally moving tool
 296 .Gapped support
 297 ..With movable work-stop abutment
 298 ...Abutment movable in gap
 299Plural separately mounted slidable abutments
 300With abutment position indicator
 301With abutment lock
 302 ..Enclosed gap
 302.1 .Mixing or kneading board
 303 .With work-stop abutment
 304 ..Attached to movable support portion
 305 ..Multiple direction restrainer
 306 ..Suspended abutment
 307 .With sight gage
 308 .With work supply supporting means
 309 .Support mounting means
 310 ..Support resiliently urged upwardly
 311 ..Means to hold plural support blocks
 312 ...By through rod
 313Blocks enclosed by holder
 314 ...Blocks enclosed by holder
 289 MR .Movable roller
 315 **WORK-STOP ABUTMENT**
 316 .Vertically compressible abutment
 317 .Resiliently urged abutment
 318 .Abutment mounted between spaced parallel arms
 319 .Plural spaced abutment surfaces
 320 .With motor drive abutment moving means

329 MISCELLANEOUS

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